

SEQUENCE LISTING

(1) GENERAL INFORMATION

- (i) APPLICANT: LAUB, RUTH
DI GIAMBATTISTA, MARIO
- (ii) TITLE OF THE INVENTION: ANTIGENIC POLYPEPTIDE SEQUENCE
OF FACTOR VIII, AND FRAGMENTS AND/OR
- (iii) NUMBER OF SEQUENCES: 20
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Knobbe, Martens, Olson & Bear
 - (B) STREET: 620 Newport Center Drive 16th Floor
 - (C) CITY: Newport Beach
 - (D) STATE: CA
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 92660
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette
 - (B) COMPUTER: IBM Compatible
 - (C) OPERATING SYSTEM: DOS
 - (D) SOFTWARE: FastSEQ Version 1.5
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/BE95/00068
 - (B) FILING DATE: 14-JUL-1995
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Altman, Daniel E
 - (B) REGISTRATION NUMBER: 34,115
 - (C) REFERENCE/DOCKET NUMBER: VANMA48.001APC
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 714-760-0404
 - (B) TELEFAX: 714-760-9502
 - (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 13 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Arg Thr Thr Leu Gln Ser Asp Gln Glu Glu Ile Asp Tyr
1 5 10

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Asp Glu Asp Glu Asn Gln Ser Pro Arg Ser Phe Gln Lys Lys Thr Arg
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Thr Asp Gly Ser Phe Thr Gln Pro Leu Tyr
1 5 10

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Asn Gln Ala Ser Arg Pro Tyr Ser Phe
1 5

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 16 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Glu Asn Gln Arg Gln Gly Ala Glu Pro Arg Lys Asn Phe Val Lys Pro
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Met Ala Pro Thr Lys Asp Glu Phe Asp
1 5

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 7 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Glu Thr Lys Ser Trp Tyr Phe
1 5

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Glu Asn Met Glu Arg Asn Cys Arg Ala
1 5

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Asp Pro Thr Phe Lys Glu Asn Tyr Arg
1 5

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Ala Ser Glu Gly Ala Glu Tyr Asp Asp Gln Thr Ser Gln Arg Glu Lys
1 5 10 15

Glu Asp Asp Lys Val
20

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Glu Gly Ser Leu Ala Lys Glu Lys Thr Gln Thr Leu
1 5 10

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Asp Glu Gly Lys Ser Trp His Ser Glu Thr Lys Asn Ser Leu Met Gln
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Asp Ser Cys Pro Glu Glu Pro Gln Leu Arg Met Lys Asn Asn Glu Glu
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

Asp Asp Arg Ser Tyr Lys Ser Gln Tyr Leu Asn Asn Gly Pro Gln Arg
1 5 10 15
Ile Gly Arg Lys Tyr Lys Lys
20

(2) INFORMATION FOR SEQ ID NO:15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 11 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

Val Glu Asp Gly Pro Thr Lys Ser Asp Pro Arg
1 5 10

(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

His Asn Ser Asp Phe Arg Asn Arg Gly
1 5

(2) INFORMATION FOR SEQ ID NO:17:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids

(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None
(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

Ser Cys Asp Lys Asn Thr Gly Asp Tyr Tyr Gly Asp Ser Tyr Glu Asp
1 5 10 15

(2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None
(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

Lys Thr Gln Gly Ala Arg Gln Lys Phe
1 5

(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 14 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None
(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

Asp Gly Lys Lys Trp Gln Thr Tyr Arg Gly Asn Ser Thr Gly
1 5 10

(2) INFORMATION FOR SEQ ID NO:20:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None
(v) FRAGMENT TYPE: internal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

Gly Val Thr Thr Gln Gly Val Lys
1 5

LISTE DE SEQUENCES

(1) INFORMATION GENERALE:

(i) DEPOSANT:

- (A) NOM: CROIX-ROUGE DE BELGIQUE
- (B) RUE: DEPARTEMENT CENTRAL DE FRACTIONNEMENT
- (C) VILLE: Rue Joseph Stallaert 5
- (D) PROVINCE: BRUXELLES
- (E) PAYS: BELGIUM
- (F) CODE POSTAL: 1060
- (G) TELEPHONE: 3224263810
- (H) TELECOPIE: 3224263760

- (A) NOM: LAUB Ruth
- (B) RUE: Avenue Besme 6
- (C) VILLE: BRUXELLES
- (E) PAYS: BELGIUM
- (F) CODE POSTAL: 1190

- (A) NOM: DI GIAMBATTISTA Mario
- (B) RUE: Rue Plouchart 24
- (C) VILLE: BRAINE-LE-COMTE
- (E) PAYS: BELGIUM
- (F) CODE POSTAL: 7090

(ii) TITRE DE L' INVENTION: SEQUENCE POLYPEPTIDIQUE ANTIGENIQUE DU FACTEUR VIII, FRAGMENTS ET/OU EPITOPES DE CELLE-CI

(iii) NOMBRE DE SEQUENCES: 20

(iv) FORME LISIBLE PAR ORDINATEUR:

- (A) TYPE DE SUPPORT: Floppy disk
- (B) ORDINATEUR: IBM PC compatible
- (C) SYSTEME D' EXPLOITATION: PC-DOS/MS-DOS
- (D) LOGICIEL: PatentIn Release #1.0, Version #1.25 (OEB)

(2) INFORMATION POUR LA SEQ ID NO: 1:

(i) CARACTERISTIQUES DE LA SEQUENCE:

- (A) LONGUEUR: 13 acides aminés
- (B) TYPE: acide aminé
- (D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 1:

Arg Thr Thr Leu Gln Ser Asp Gln Glu Glu Ile Asp Tyr
1 5 10

(2) INFORMATION POUR LA SEQ ID NO: 2:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 16 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 2:

Asp Glu Asp Glu Asn Gln Ser Pro Arg Ser Phe Gln Lys Lys Thr Arg
1 5 10 15

(2) INFORMATION POUR LA SEQ ID NO: 3:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 10 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 3:

Thr Asp Gly Ser Phe Thr Gln Pro Leu Tyr
1 5 10

(2) INFORMATION POUR LA SEQ ID NO: 4:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 4:

Asn Gln Ala Ser Arg Pro Tyr Ser Phe

1 5

(2) INFORMATION POUR LA SEQ ID NO: 5:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 22 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 5:

Glu Asn Gln Arg Gln Gly Ala Glu Pro Arg Lys Asn Phe Val Lys Pro

1 5 10 15

Asn Glu Thr Lys Thr Tyr

20

(2) INFORMATION POUR LA SEQ ID NO: 6:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 6:

Met Ala Pro Thr Lys Asp Glu Phe Asp
1 5

(2) INFORMATION POUR LA SEQ ID NO: 7:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 7 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 7:

Glu Thr Lys Ser Trp Tyr Phe
1 5

(2) INFORMATION POUR LA SEQ ID NO: 8:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 8:

Glu Asn Met Glu Arg Asn Cys Arg Ala
1 5

(2) INFORMATION POUR LA SEQ ID NO: 9:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 9:

Asp Pro Thr Phe Lys Glu Asn Tyr Arg
1 5

(2) INFORMATION POUR LA SEQ ID NO: 10:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 21 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 10:

Ala Ser Glu Gly Ala Glu Tyr Asp Asp Gln Thr Ser Gln Arg Glu Lys
1 5 10 15

Glu Asp Asp Lys Val
20

(2) INFORMATION POUR LA SEQ ID NO: 11:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 12 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 11:

Glu Gly Ser Leu Ala Lys Glu Lys Thr Gln Thr Leu

1 5 10

(2) INFORMATION POUR LA SEQ ID NO: 12:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 16 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 12:

Asp Glu Gly Lys Ser Trp His Ser Glu Thr Lys Asn Ser Leu Met Gln
1 5 10 15

(2) INFORMATION POUR LA SEQ ID NO: 13:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 29 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 13:

Asp Ser Cys Pro Glu Glu Pro Gln Leu Arg Met Lys Asn Asn Glu Glu
1 5 10 15

Ala Glu Asp Tyr Asp Asp Asp Leu Thr Asp Ser Glu Met
20 25

(2) INFORMATION POUR LA SEQ ID NO: 14:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 23 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 14:

Asp Asp Arg Ser Tyr Lys Ser Gln Tyr Leu Asn Asn Gly Pro Gln Arg
1 5 10 15

Ile Gly Arg Lys Tyr Lys Lys
20

(2) INFORMATION POUR LA SEQ ID NO: 15:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 11 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 15:

Val Glu Asp Gly Pro Thr Lys Ser Asp Pro Arg
1 5 10

(2) INFORMATION POUR LA SEQ ID NO: 16:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 16:

His Asn Ser Asp Phe Arg Asn Arg Gly

1

5

(2) INFORMATION POUR LA SEQ ID NO: 17:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 16 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 17:

Ser Cys Asp Lys Asn Thr Gly Asp Tyr Tyr Gly Asp Ser Tyr Glu Asp
1 5 10 15

(2) INFORMATION POUR LA SEQ ID NO: 18:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 9 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 18:

Lys Thr Gln Gly Ala Arg Gln Lys Phe
1 5

(2) INFORMATION POUR LA SEQ ID NO: 19:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 14 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 19:

Asp	Gly	Lys	Lys	Trp	Gln	Thr	Tyr	Arg	Gly	Asn	Ser	Thr	Gly
1		5		10									

(2) INFORMATION POUR LA SEQ ID NO: 20:

(i) CARACTERISTIQUES DE LA SEQUENCE:

(A) LONGUEUR: 8 acides aminés

(B) TYPE: acide aminé

(D) CONFIGURATION: linéaire

(ii) TYPE DE MOLECULE: peptide

(v) TYPE DU FRAGMENT: interne

(xi) DESCRIPTION DE LA SEQUENCE: SEQ ID NO: 20:

Gly	Val	Thr	Thr	Gln	Gly	Val	Lys
1		5					